

Fig. 1  
Model C102 laser output pulse shape

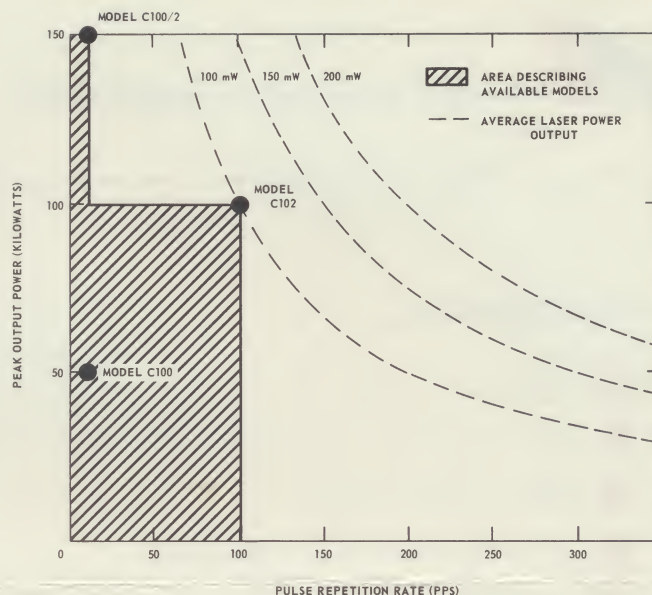


Fig. 2  
Peak power output vs. pulse repetition rate

The time exposure in Fig. 1 shows the extremely high output pulse stability of the Model C102. Approximately 100 pulses at a repetition rate of 100 pps were taken with no observable fluctuation in amplitude.

Design features of Model C102 result in a rugged, simple and reliable laser. In life tests, engineering models have recorded greater than 25 million pulses without degradation of the output pulse or failure of systems components.

Various combinations of peak power output and pulse repetition rate are available in custom made models (see Fig. 2). The technical staff at Avco Everett is at all times interested in discussing and designing models suitable to your individual requirements.

For further information, please contact Mr. L. M. Rittenberg, Marketing Administrator, at (617) 389-3000, Ext. 251. Avco Everett reserves the right to change specifications without notice.



EVERETT RESEARCH LABORATORY

2385 REVERE BEACH PARKWAY • EVERETT, MASSACHUSETTS 02149

# AVCO EVERETT RESEARCH LABORATORY

2385 REVERE BEACH PARKWAY • EVERETT, MASSACHUSETTS 02149

TELEPHONE: 617 389-3000

Dear Sir:

We are pleased to announce our Model C102 Pulsed Nitrogen Laser. The enclosed data sheet describes the technical specifications of the device and the availability of custom models that can be designed to your individual requirements.

Model C102 provides a peak output power of 100 kilowatts at a high repetition rate - variable up to 100 pulses per second. Other features include emission in the ultraviolet (3371 Å), output pulse stability, and simplicity of operation.

Life testing has shown this laser to be highly reliable with more than 25 million pulses being recorded without degradation of components. These tests are presently being extended.

The complete system with D. C. power supply and vacuum pump is priced at \$13,000 (F. O. B., Everett, Massachusetts). The three major components - laser channel, high voltage pulser, and trigger generator - can be supplied for \$12,000. Delivery can be made sixty (60) days after receipt of order.

A demonstration model is available here at Avco Everett. Test time can be provided for you and your colleagues.

Please do not hesitate to call me at (617) 389-3000, Extension 251, if I may provide further information.

Sincerely,

*Lawrence M. Rittenberg*  
Lawrence M. Rittenberg  
Marketing Administrator

LMR:jas  
Enc.